

Application Serial No.: 10/730,440  
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## <<Proposed - - - For Purposes of Discussion>>

### Listing of Claims:

1. (proposed amendment) A damping apparatus, comprising:  
a linear to rotary conversion mechanism comprising a translatable member,  
having a first attachment point, and, that is adapted for generally linear translation in  
a forward and a reverse direction and a rotatable member comprising a rotatable  
shaft that is rotatably coupled to the translatable member; wherein translation of the  
translatable member in one of the forward or the reverse directions produces a  
forward or a reverse rotation of the rotatable member and shaft, respectively; and  
a damping mechanism comprising a second attachment point, a hub that is  
fixed to the shaft, a means for generating a single electromagnetic field in response  
to an applied electrical signal that may be continuously varied in response to an  
input signal that is representative of a desired damping force and a fluid having a  
viscosity that may be continuously varied by application of the electromagnetic field  
that is in touching contact with the hub, wherein application of the variable  
electromagnetic field to the fluid produces changes in the viscosity of the fluid that in  
turn provides variable resistance to rotation of the hub and translation of the  
translatable member.

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